

C6587731

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead®

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00036707** Serial: C6587731 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 4 of 7 Repairman: Status: Closed 12/1/01 6:32:13 AM

Verify Repair **High Priority**

Address Information

Customer: Received From Return To: Received From

Name: Address 1: Address 2: PO Box: City: FORT BRAGG State: NC Zip Code: Country: US

FFL:

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing
Date	Code	User ID	Desc1	Current Status
12/1/01 6:15:24	New	urtzdi	Repair Added	Closed
12/1/01 6:32:13	Closed	urtzdi		12/1/01 6:32:13 AM
				urtzdi
				Check In
				Repair Location
				ILN
				Current Location
				ILN

Repair Search Refresh Close

Start Inbox... CNN... SWS... Israel... SWS... Arm... Serial... Cale... 11:20

Serial: **C6587731**

Model: **700**



RE00036707

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587731.__0
FILE DATE AND TIME: 12/16/2001 04:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.135
The Average Y Centroid of the Five Target Set:	-0.061
The Average Point of Impact of the Five Target Set:	0.148
The Average Mean Radius of the Five Target Set:	0.655
The Distance from POA to Centroid Target #1:	0.203
The Distance from Centroid Target #2 to Centroid Target #1:	0.168
The Distance from Centroid Target #3 to Centroid Target #1:	0.122
The Distance from Centroid Target #4 to Centroid Target #1:	0.266
The Distance from Centroid Target #5 to Centroid Target #1:	0.277

SERIAL NUMBER: C6587731. __0

TARGET NUMBER: 1

FILE DATE: 12/16/2001

FILE TIME: 04:55

X CENTROID: 0.196

Y CENTROID: 0.052

POA TO CENTROID: 0.203

HORZ SPREAD: 1.740

VERT SPREAD: 2.829

GROUP SPREAD: 2.960

MIN RADIUS: 0.069

MAX RADIUS: 1.674

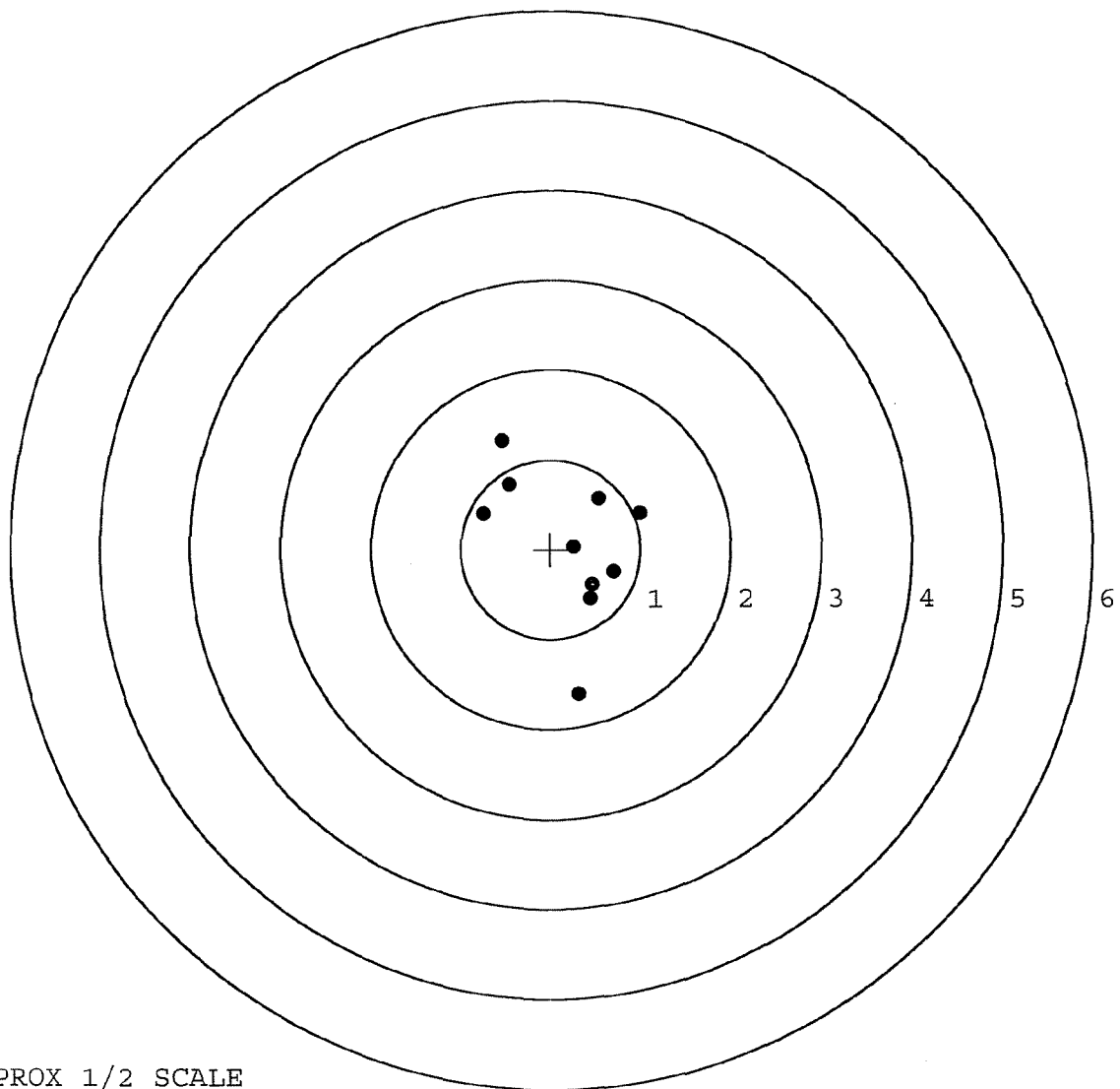
MEAN RADIUS: 0.833

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.317	-1.618
2:	0.446	-0.550
3:	0.706	-0.251
4:	0.262	0.031
5:	0.993	0.409
6:	0.534	0.568
7:	-0.747	0.396
8:	-0.463	0.723
9:	-0.553	1.211
10:	0.464	-0.398

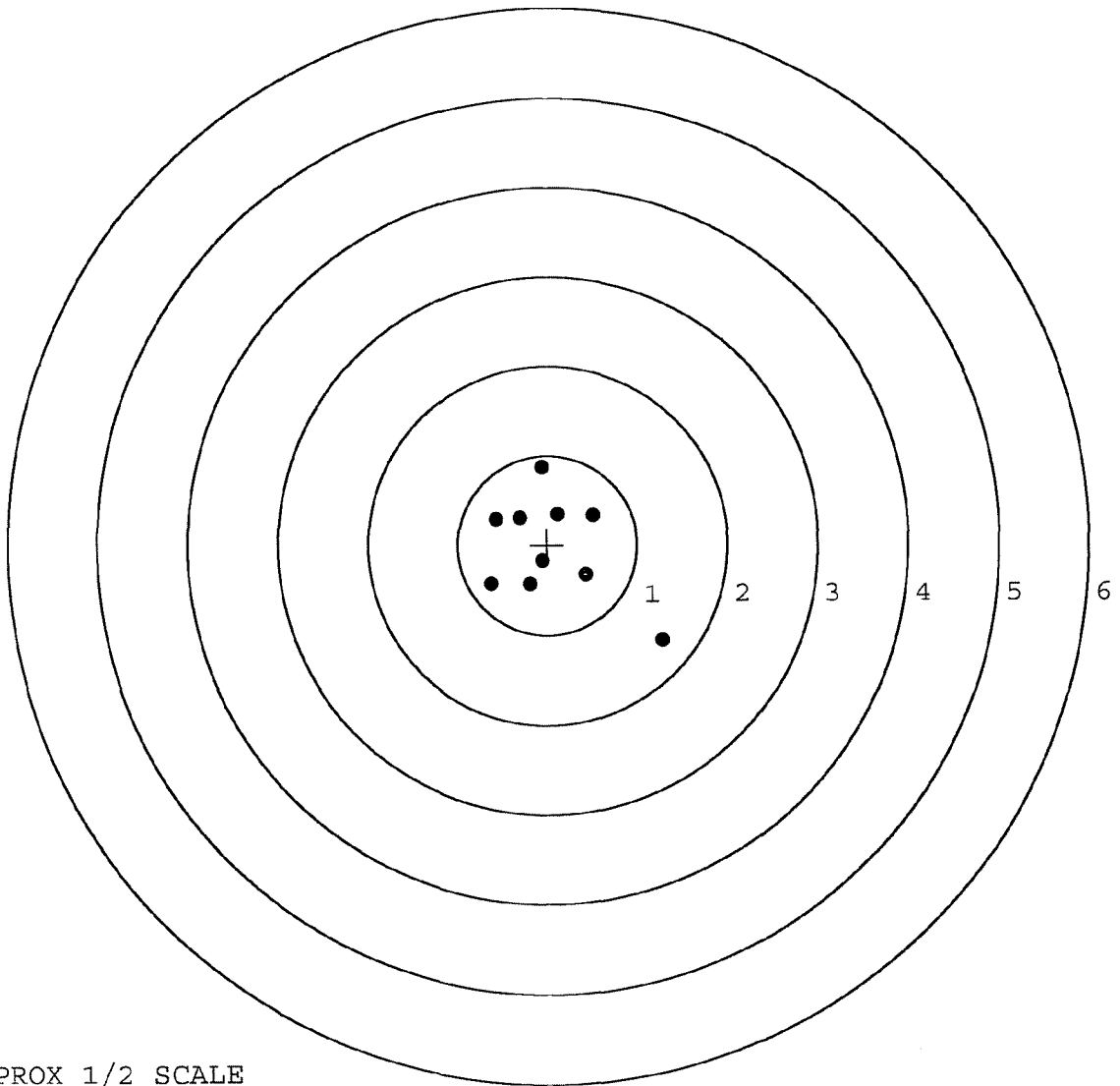


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. __0
TARGET NUMBER: 2
FILE DATE: 12/16/2001
FILE TIME: 04:55

X CENTROID: 0.050
Y CENTROID: -0.033
POA TO CENTROID: 0.060
HORZ SPREAD: 1.906
VERT SPREAD: 1.929
GROUP SPREAD: 2.349
MIN RADIUS: 0.182
MAX RADIUS: 1.602
MEAN RADIUS: 0.661
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.278	-1.062
2:	-0.196	-0.444
3:	-0.055	-0.181
4:	-0.628	-0.438
5:	0.432	-0.334
6:	-0.575	0.293
7:	-0.313	0.303
8:	0.116	0.341
9:	0.507	0.328
10:	-0.063	0.867



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. __0

TARGET NUMBER: 3

FILE DATE: 12/16/2001

FILE TIME: 04:55

X CENTROID: 0.263

Y CENTROID: -0.050

POA TO CENTROID: 0.268

HORZ SPREAD: 1.836

VERT SPREAD: 1.829

GROUP SPREAD: 2.281

MIN RADIUS: 0.118

MAX RADIUS: 1.314

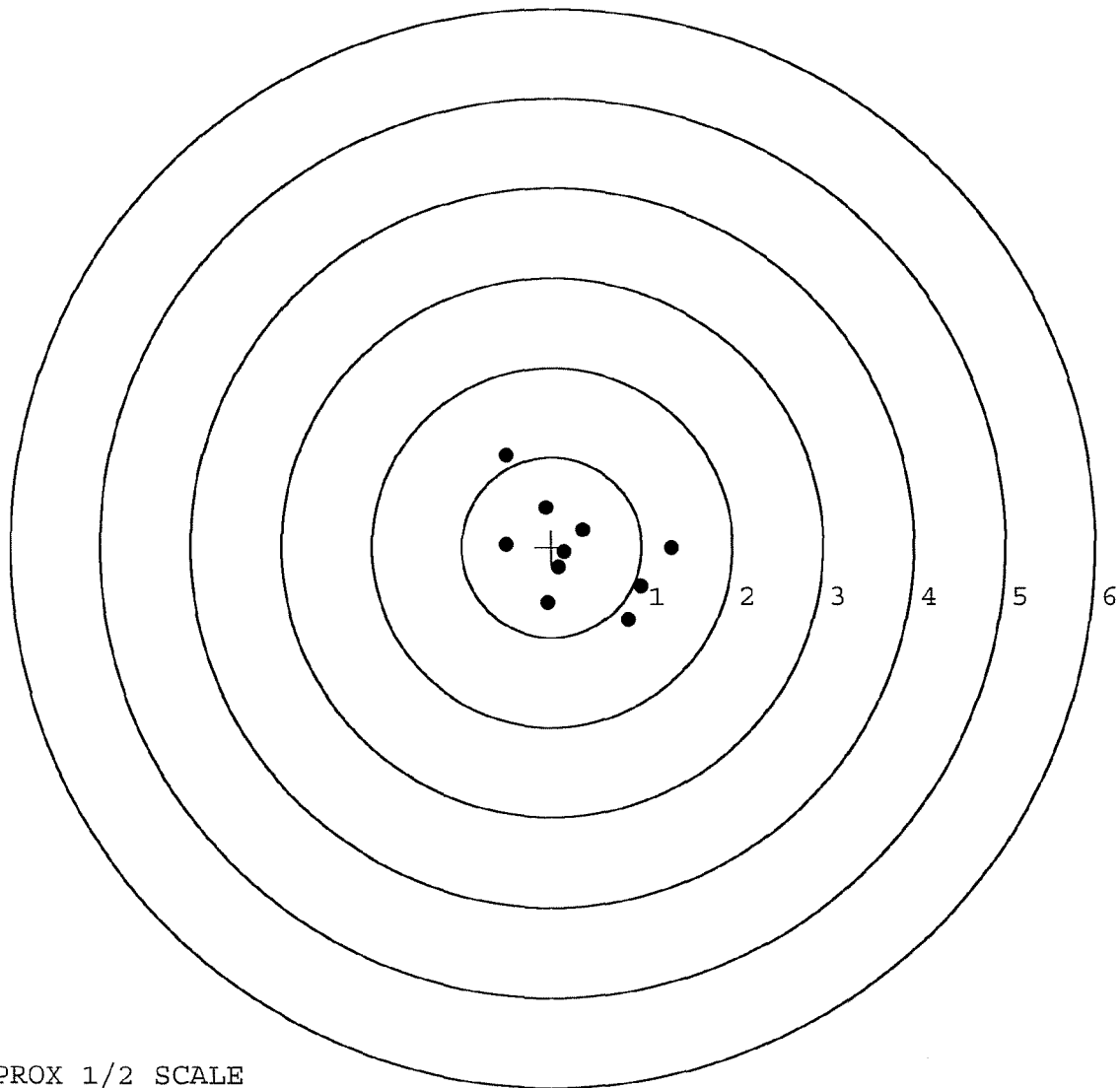
MEAN RADIUS: 0.681

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.333	-0.017
2:	0.992	-0.435
3:	0.860	-0.812
4:	-0.050	-0.624
5:	0.079	-0.227
6:	0.345	0.191
7:	-0.068	0.434
8:	-0.503	0.024
9:	-0.503	1.017
10:	0.145	-0.054



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. __0

TARGET NUMBER: 4

FILE DATE: 12/16/2001

FILE TIME: 04:55

X CENTROID: -0.050

Y CENTROID: -0.048

POA TO CENTROID: 0.069

HORZ SPREAD: 1.262

VERT SPREAD: 1.215

GROUP SPREAD: 1.390

MIN RADIUS: 0.279

MAX RADIUS: 0.791

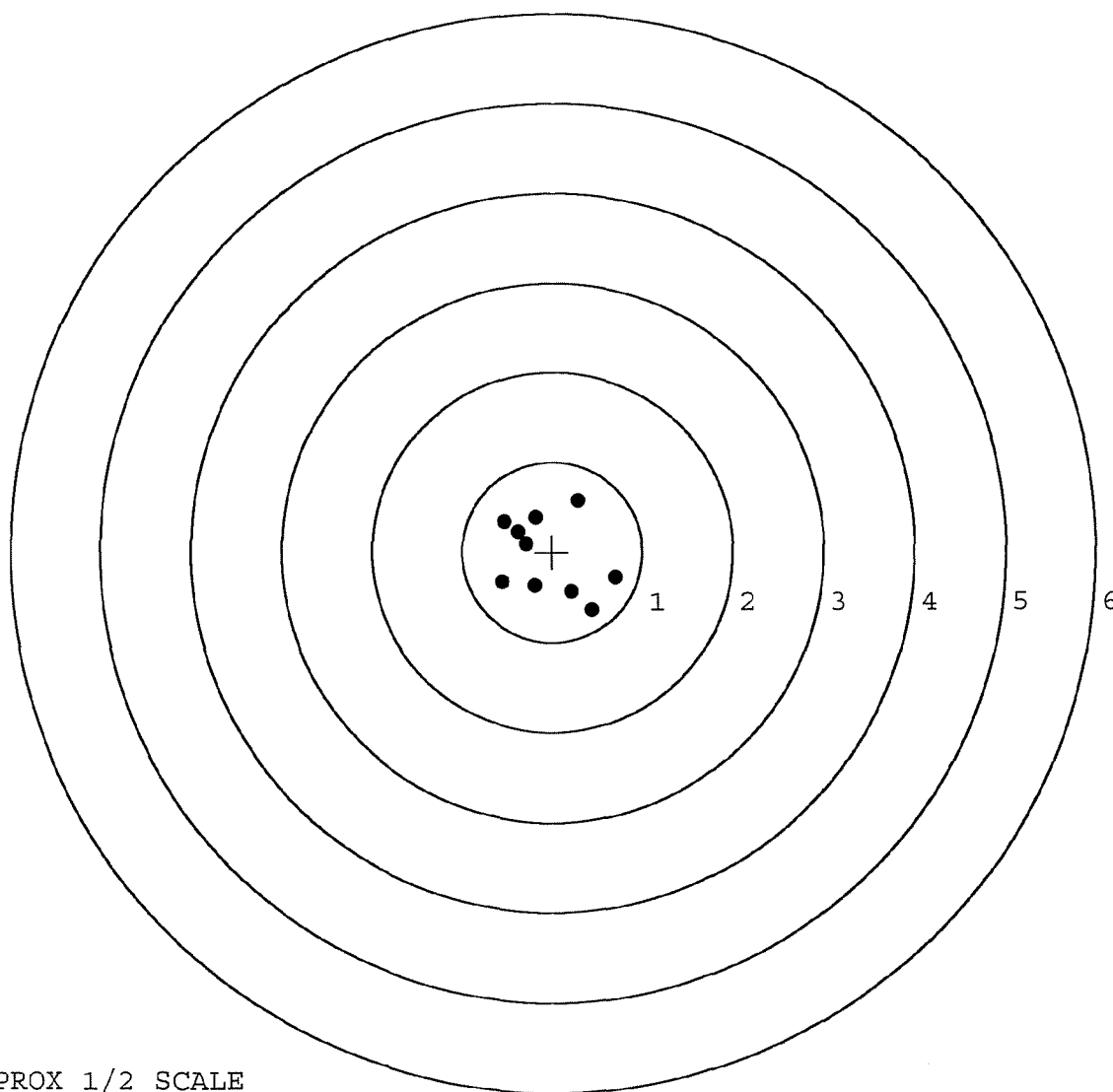
MEAN RADIUS: 0.547

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.293	0.568
2:	0.705	-0.284
3:	0.440	-0.647
4:	0.216	-0.443
5:	-0.196	-0.374
6:	-0.557	-0.334
7:	-0.294	0.089
8:	-0.538	0.339
9:	-0.192	0.383
10:	-0.381	0.226



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587731. __0

TARGET NUMBER: 5

FILE DATE: 12/16/2001

FILE TIME: 04:55

X CENTROID: 0.217

Y CENTROID: -0.224

POA TO CENTROID: 0.312

HORZ SPREAD: 1.450

VERT SPREAD: 1.755

GROUP SPREAD: 1.793

MIN RADIUS: 0.136

MAX RADIUS: 1.278

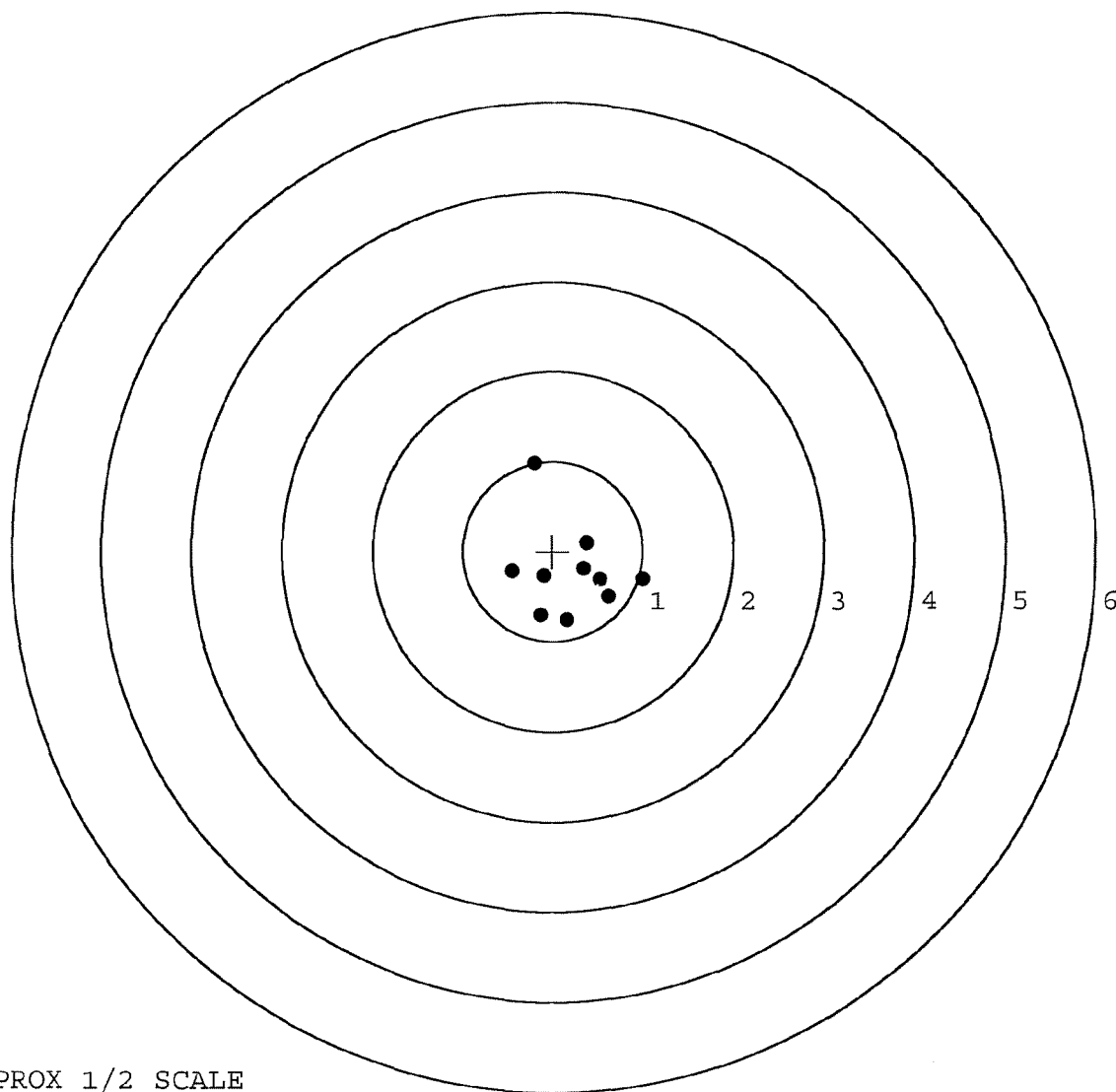
MEAN RADIUS: 0.553

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.201	0.984
2:	-0.139	-0.714
3:	0.164	-0.771
4:	-0.447	-0.225
5:	-0.099	-0.280
6:	0.622	-0.512
7:	1.003	-0.311
8:	0.383	0.099
9:	0.349	-0.194
10:	0.532	-0.319



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 36707			
SERIAL NUMBER C6587731			
LOG-IN DATE 36707			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-4-01	RH
560 A	RE-BARREL AT CUSTOM SHOP	12/5/01	BWT
B	DRILL AND TAP	12/5/01	BWT
C	POLISH	12-6-01	RH
575	ASSEMBLE	12-6-01	RH
600	PROOF	12-6-01	RH
605	CHECK HEADSPACE	12-6-01	RH
610	DIS-ASSEMBLE GUN	12-6-01	RH
612	MAGNAFLUX		RH
615	ROLLMARK CALIBER	12-6-01	RH
618	ROTO-BLAST	12/7	KO
620	APPLY COATINGS	12-10	TA
625 A	FINAL ASSEMBLY	12-12-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12/14/01	RH
655	FINAL INSPECT	12/18/01	RH
660	PACK	12/19/01	RA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®]

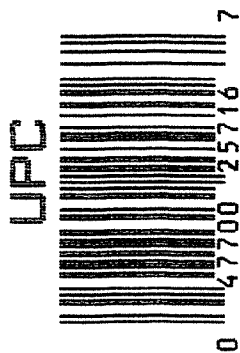
Model 700™ M24

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C6587731	ORDER NO. 5716
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op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5.0	5.0	5.0	11-7-90	KS		
	G) Safety Off Force	2.3/4	2.3/4	3.0	11-7-90	KS		
	H) Trigger Pull Test & Retainability				1-18-91	JY		
	I) Firing Pin Indent	^{.0205} .022	^{.0205} .021	^{.0205} .021	¹¹⁻¹⁸⁻⁹¹ 11-7-90	^{WBS} KS		
	J) Assemble Stock				11/13/90	KS		
	K) Assemble Swivel Studs				11-20-90	DH		
	L) Attach Front and Rear Sight Assemblies				11/13/90	KS		
	M) Iron Sight Alignment				11/13/90	KS		
	N) Detach Front & Rear Sights & place in numbered container				11/13/90	KS		
	O) Attach Scope to Rifle				11/13/90	KS		
	P) Detach & Attach Scope 20 Times				11/13/90	KS		
640	Gallery Target & Test				11-15-90	DH		
	A) Time				11-15-90	DH		
	B) Malfunctions				11-15-90	DH		
	C) Pierced Primers				11-15-90	DH		
	D) Optical Clarity of Scope				11-15-90	DH		
645	Inspect for Live Ammo				11-15-90	DH		
655	Final Inspection							
	A) Headspace				11-20-90	DH		
	B) Trigger Pull	219	240	245	245	249	2-4-91	JY
	C) Function						11-20-90	DH
660	Pack						3-19-91	NF

L 115
M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587731

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/18/90	KS
600	Proof		10/18/90	KS
607	Check Headspace		10/18/90	KS
610	Dis-assemble Gun		10/18/90	KS
612	Magnaflux Barrel Action		10/27/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS.
617	Drill and Tap Sight Holes		10/27/90	KS
618	Polish Barrel <i>RB</i>		10/24/90	WB
620	Apply Coatings (Barrel Action)		11-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-6-90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-6-90	KS
	C) Inspect Ejector Hole for Chamfer		11-6-90	KS
	D) Oil Firing Pin Ass'y		11-6-90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-18-91 11/12/90	KS KS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C6587731

DATE 1-18-91

TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.31	2.31	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.30	2.28	2.20	
PULL #3	2.29	2.22	2.29	2.45	
PULL #4	2.34	2.37	2.35	2.45	
PULL #5	2.27	2.21	2.28	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.40		
PULL #2	3.34	3.35		
PULL #3	3.38	3.41		
PULL #4	3.35	3.43		
PULL #5	3.47	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.43		4.17
PULL #2	4.14	4.43		4.24
PULL #3	4.16	4.38		4.26
PULL #4	4.46	4.06		4.34
PULL #5	4.29	4.17		4.21
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587731
22 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.100305
1 TO	2	.110318
1 TO	3	.067897
1 TO	4	.259509
1 TO	5	.151242

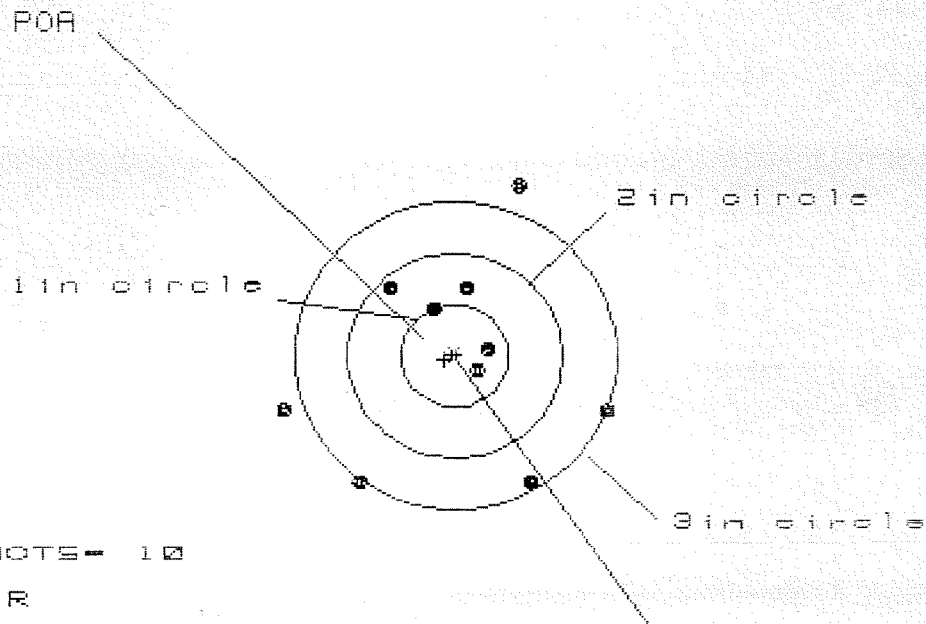
<----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0694
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .123867
THE AMR FOR THIS RIFLE IS: 1.025

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587731

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.972

VS = 2.986

GS = 3.236

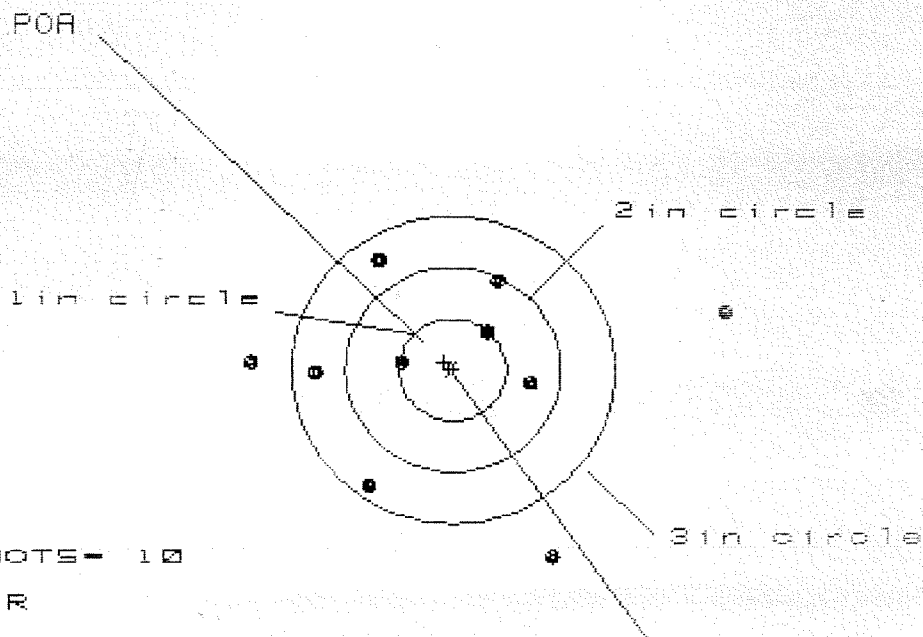
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.387	1.450	1.260
MINIMUM X	:	-1.585	-1.522	-1.986
MAXIMUM Y	:	1.702	.878	.840
MINIMUM Y	:	-1.204	-1.015	-1.053
CENTROID X	:	.094	.031	.221
CENTROID Y	:	.035	-.155	-.117
POA TO CENTROID in.	:	.100	.158	.250
MIN RADIUS	:	.219	.237	.043
MEAN RADIUS	:	1.044	.983	.860
MAX RADIUS	:	1.793	1.552	1.443
HORIZONTAL SPREAD	:	2.972	2.972	2.245
VERTICAL SPREAD	:	2.986	1.893	1.893
EXTREME SPREAD	:	3.236	2.972	2.365
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	8		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587731

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 4.363

VS= 2.956

GS= 4.398

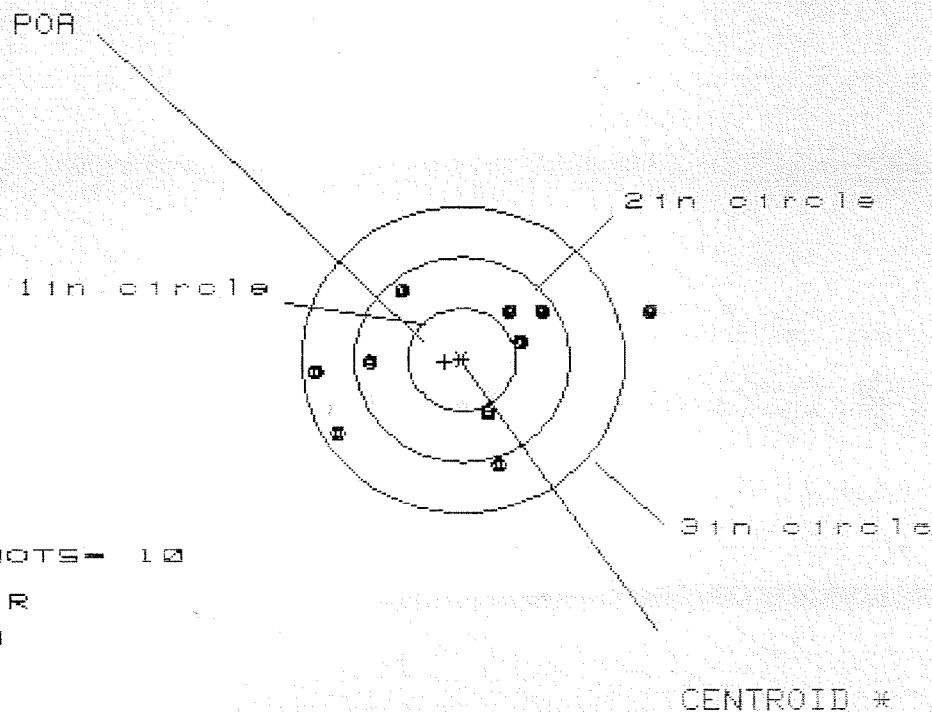
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.529	1.247	1.206
MINIMUM X	:	-1.834	-1.553	-1.397
MAXIMUM Y	:	1.119	1.187	.966
MINIMUM Y	:	-1.837	-1.769	-1.277
CENTROID X	:	.077	-.204	-.360
CENTROID Y	:	-.074	-.142	.079
POA TO CENTROID in.	:	.107	.248	.368
MIN RADIUS	:	.445	.211	.081
MEAN RADIUS	:	1.326	1.159	.989
MAX RADIUS	:	2.602	2.164	1.400
HORIZONTAL SPREAD	:	4.363	2.800	2.603
VERTICAL SPREAD	:	2.956	2.956	2.243
EXTREME SPREAD	:	4.398	3.383	2.611
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587731

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 9

HS= 3.176

VS= 1.647

GS= 3.239

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.774	.917	.766
MINIMUM X	:	-1.402	-1.205	-1.115
MAXIMUM Y	:	.666	.721	.709
MINIMUM Y	:	-.981	-.926	-.938
CENTROID X	:	.161	-.036	.115
CENTROID Y	:	.024	-.031	-.020
POA TO CENTROID in.	:	.163	.047	.116
MIN RADIUS	:	.540	.630	.601
MEAN RADIUS	:	.998	.905	.846
MAX RADIUS	:	1.840	1.208	1.289
HORIZONTAL SPREAD	:	3.176	2.122	1.881
VERTICAL SPREAD	:	1.647	1.647	1.647
EXTREME SPREAD	:	3.239	2.220	2.220
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587731

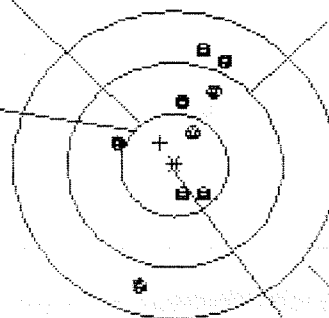
CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 1.282

VS= 3.570

GS= 3.726

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.478	.388	.332
MINIMUM X	:	-.804	-.590	-.646
MAXIMUM Y	:	1.146	.877	.698
MINIMUM Y	:	-2.424	-1.431	-.683
CENTROID X	:	.130	.220	.276
CENTROID Y	:	-.222	.047	.226
POA TO CENTROID in.	:	.258	.225	.356
MIN RADIUS	:	.244	.116	.185
MEAN RADIUS	:	.905	.662	.533
MAX RADIUS	:	2.554	1.500	.708
HORIZONTAL SPREAD	:	1.282	.978	.978
VERTICAL SPREAD	:	3.570	2.308	1.381
EXTREME SPREAD	:	3.726	2.390	1.395
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587731

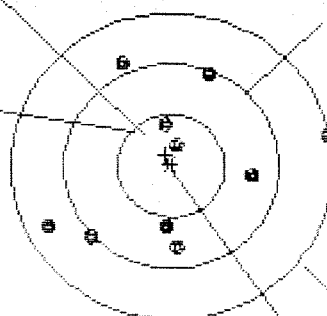
CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.530

VS= 1.837

GS= 2.661

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.423	.878	.759
MINIMUM X	:	-1.107	-.948	-.757
MAXIMUM Y	:	1.036	1.066	.999
MINIMUM Y	:	-.801	-.771	-.838
CENTROID X	:	.051	-.108	.011
CENTROID Y	:	-.110	-.140	-.073
POA TO CENTROID in.	:	.121	.176	.074
MIN RADIUS	:	.170	.258	.141
MEAN RADIUS	:	.854	.789	.728
MAX RADIUS	:	1.448	1.108	1.085
HORIZONTAL SPREAD	:	2.530	1.826	1.516
VERTICAL SPREAD	:	1.837	1.837	1.837
EXTREME SPREAD	:	2.661	2.091	2.017
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		